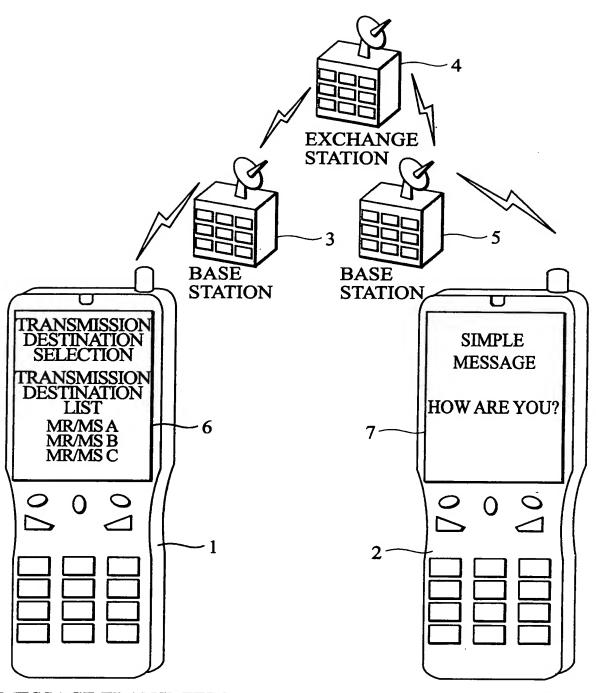
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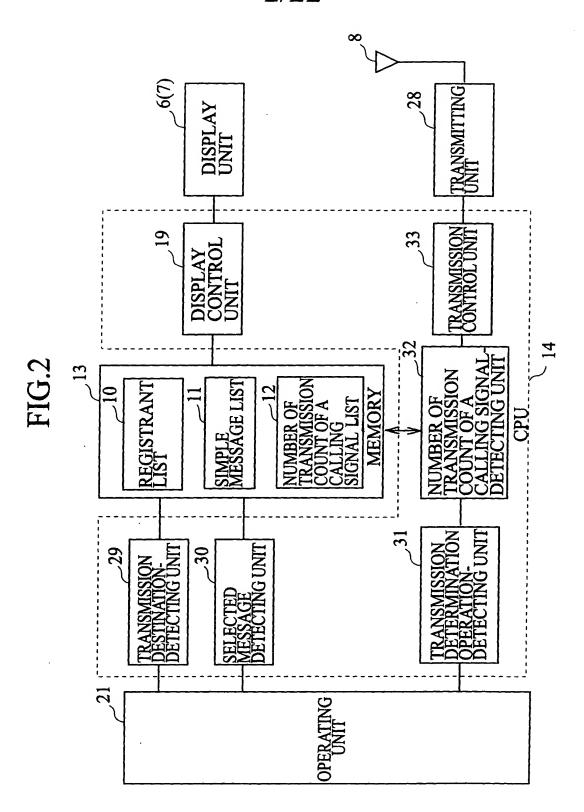
FIG.1



MESSAGE TRANSMITTER-RECEIVER OF TRANSMISSION-SIDE

MESSAGE TRANSMITTER-RECEIVER OF RECEPTION-SIDE





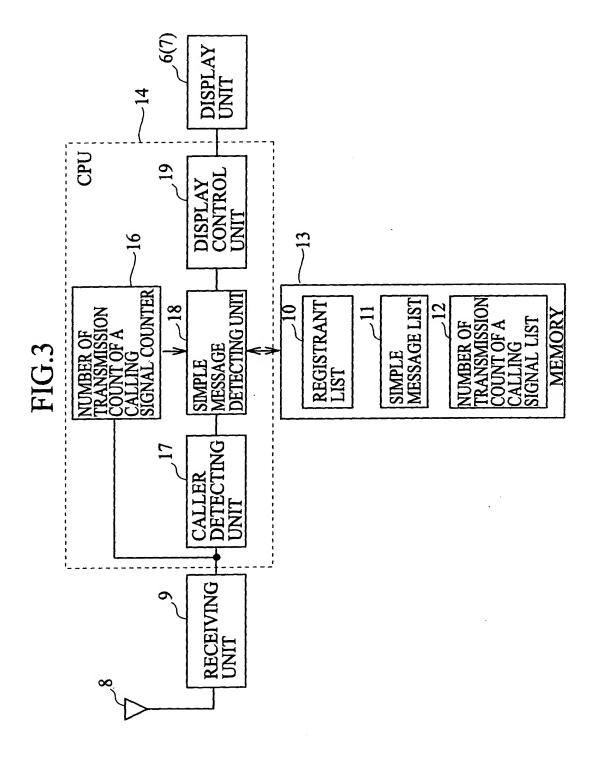
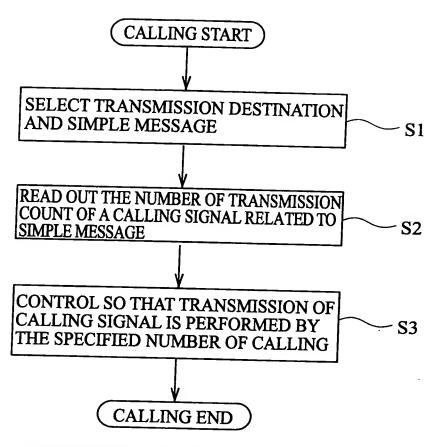


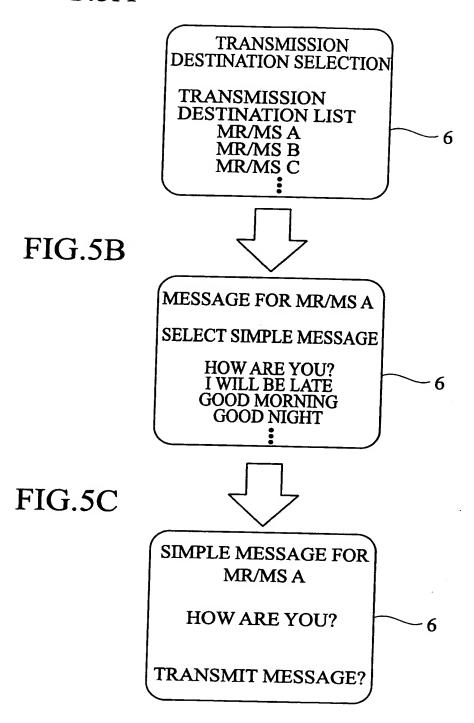
FIG.4



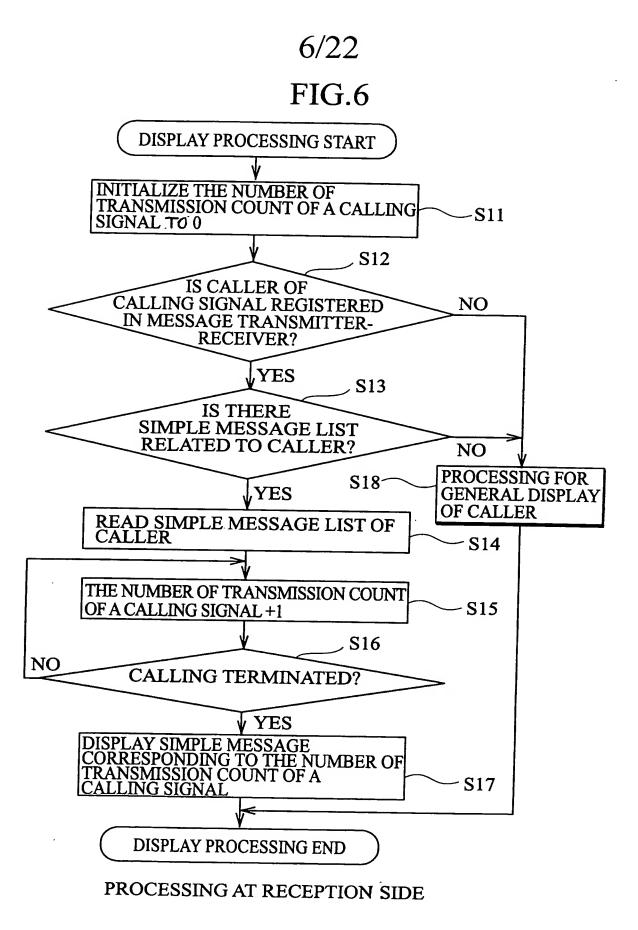
PROCESSING AT TRANSMISSION SIDE

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### FIG.5A



MESSAGE SELECTION/TRANSMISSION AT TRANSMISSION SIDE

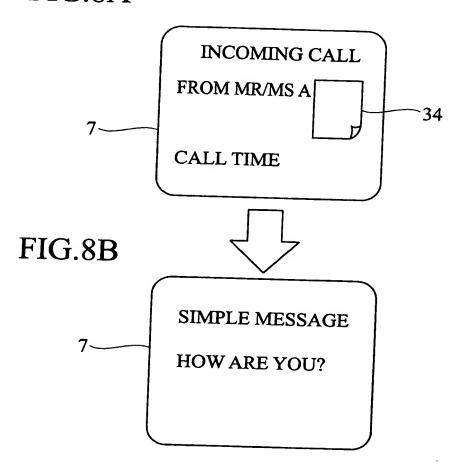


#### FIG.7

# MR/MS A MR/MS B MR/MS C SIMPLE MESSAGE LIST 1 TIME OF CALLING HOW ARE YOU? 2 TIMES OF CALLING I WILL BE LATE 3 TIMES OF CALLING GOOD MORNING 4 TIMES OF CALLING GOOD NIGHT

RELATION IN MESSAGE LIST

FIG.8A



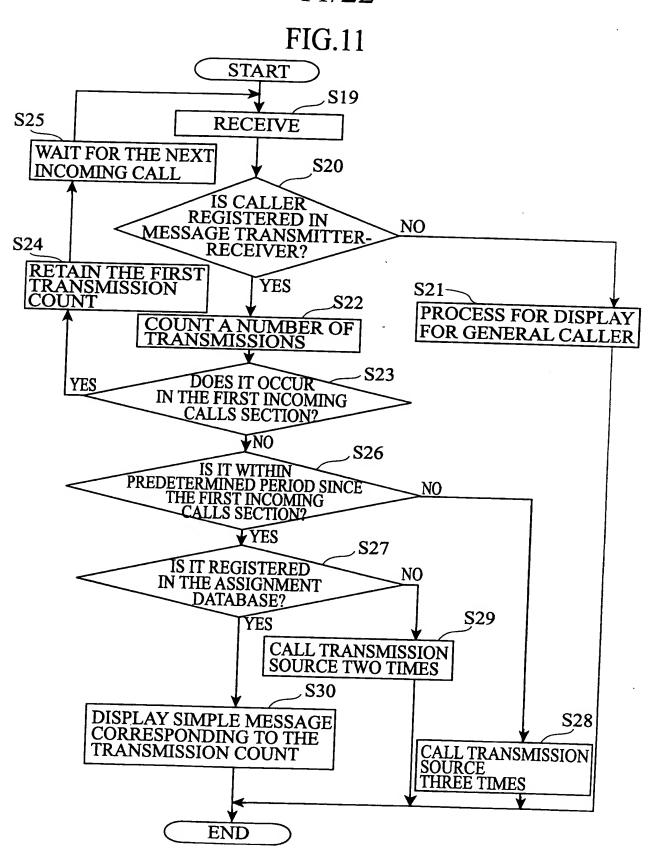
MESSAGE DISPLAY AT RECEPTION SIDE

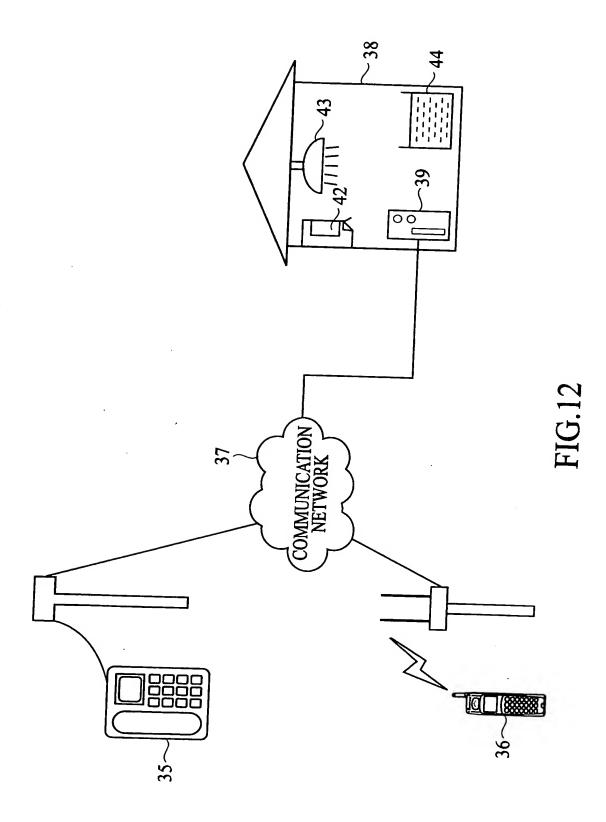
FIG.9

|                          |   | SECO            | OND TRANS           | MISSION | COLDIT |  |
|--------------------------|---|-----------------|---------------------|---------|--------|--|
|                          |   | 1               | 2                   | 3       |        |  |
| TNIO                     | 1 |                 | I WILL<br>G BE LATE |         | • • •  |  |
| FIRST TRANSMISSION COUNT | 2 | GOOD<br>NIGHT   | GOOD<br>JOB         | • • •   | • • •  |  |
| T TRANSI                 | 3 | HELLO           | THANK<br>YOU        | • • •   | • • •  |  |
| FIRS                     | 4 | HOW<br>ARE YOU? | • • •               | • • •   | • • •  |  |

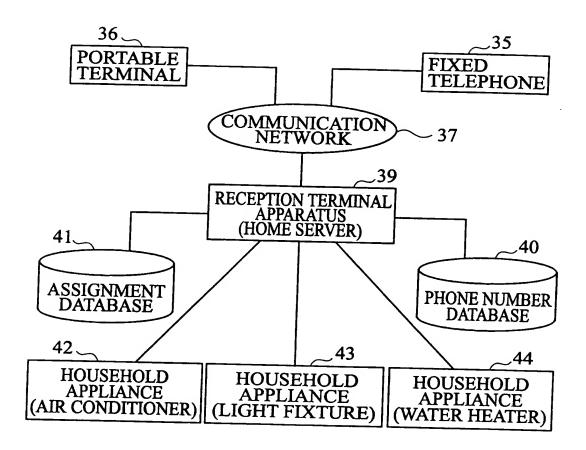
FIG.10

|                          |   |   | SECO            | OND TRAN          | SMISSION | COUNT |
|--------------------------|---|---|-----------------|-------------------|----------|-------|
|                          |   |   | 1               | 2                 | 3        | 4     |
| TNU                      | 1 |   | GOOD<br>MORNING | I WILL<br>BE LATE |          | • • • |
| FIRST TRANSMISSION COUNT | 2 |   | GOOD<br>NIGHT   | GOOD · JOB        | • • •    | • • • |
| TRANSM                   | 3 |   | HELLO           | THANK<br>YOU      | • • •    | • • • |
| FIRST                    | 4 | A | HOW<br>RE YOU?  | • • •             | • • •    | • • • |

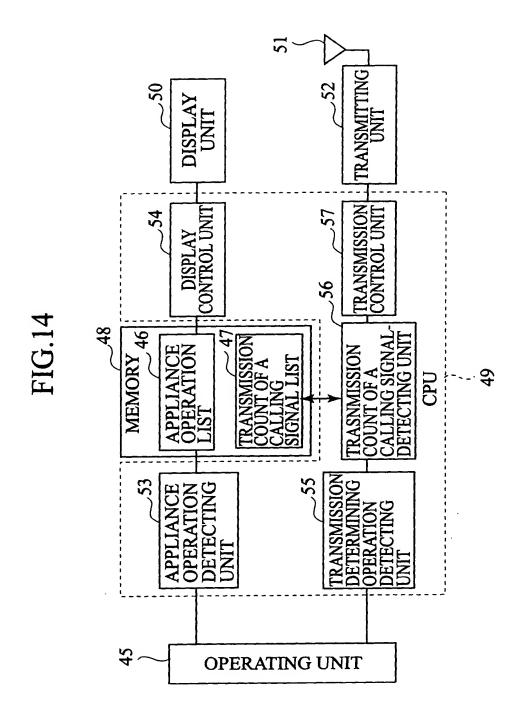


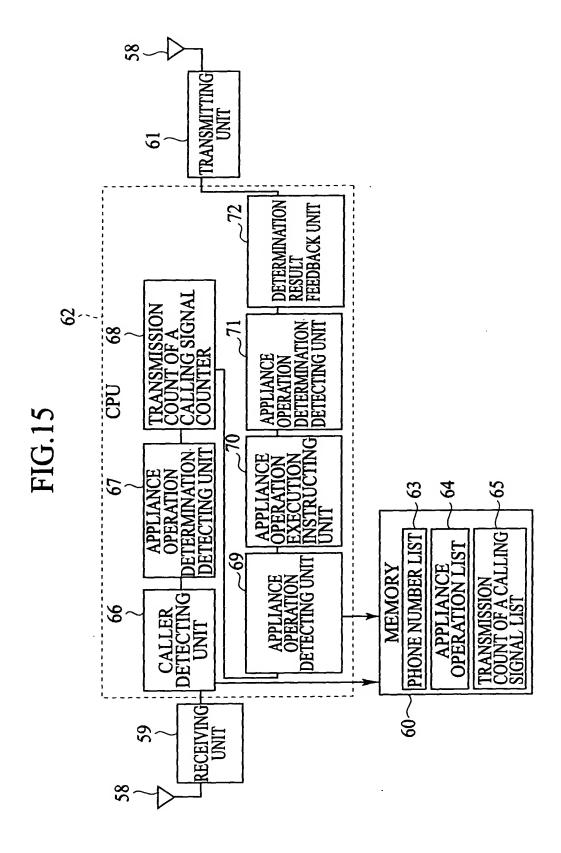


**FIG.13** 

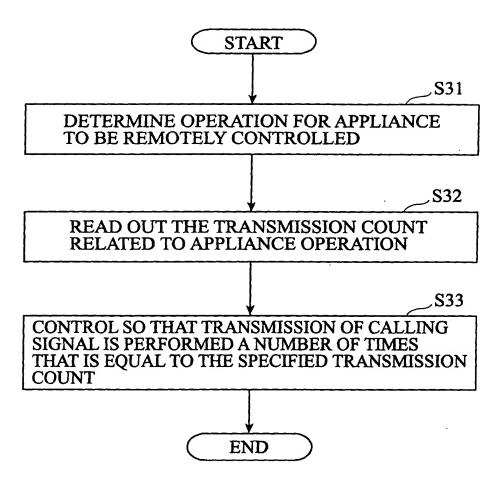


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**FIG.16** 



#### FIG.17A

# APPLIANCE OPERATION SELECTION

- 1. TURN ON AIR CONDITIONER
- 2. TURN OFF AIR CONDITIONER
- 3. HEAT BATH
- 4. TURN ON LIGHT
- 5. TURN OFF LIGHT
- 6. TURN ON TELEVISION
- 7. RESET ALL

#### **FIG.17B**

#### **APPLIANCE OPERATION**

TRANSMIT MESSAGE TO TURN ON AIR CONDITIONER?

- 50

- 50

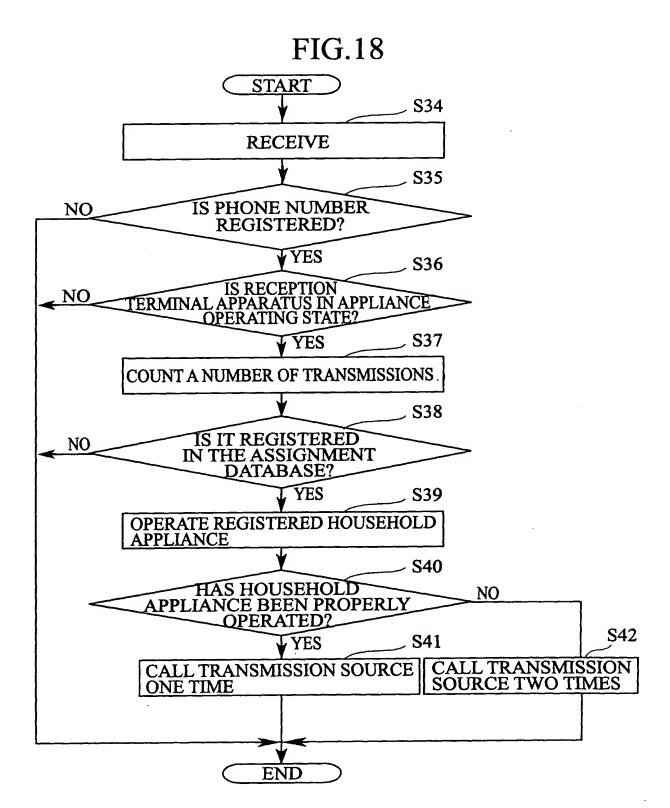


FIG.19

|                  | L        |   |   | APPLIANCE OPERATION      |
|------------------|----------|---|---|--------------------------|
|                  |          |   | 1 | TURN ON AIR CONDITIONER  |
| TD A NEW TOOLONG |          |   | 2 | TURN OFF AIR CONDITIONER |
|                  | N COUNT  | 3 | 3 | НЕАТ ВАТН                |
|                  | NSMISSIO | 4 |   | TURN ON LIGHT            |
| e E              | IKA      | 5 |   | TURN OFF LIGHT           |
|                  |          | 6 |   | TURN ON TELEVISION       |
|                  |          | 7 |   | RESET ALL                |
|                  |          |   |   |                          |

**FIG.20** 

|                          |    | SECOND TRANSMISSION COUNT |                   |                                |                               |       |  |
|--------------------------|----|---------------------------|-------------------|--------------------------------|-------------------------------|-------|--|
|                          | _4 | 1                         | 2                 | 3                              | 4                             | 5     |  |
| FIRST TRANSMISSION COUNT | 1  | GOOD<br>MORNING           | I WILL<br>BE LATE | TURN ON<br>AIR<br>CONDITIONER  | TURN ON<br>TELEVISION         | • • • |  |
|                          | 2  | GOOD<br>NIGHT             | GOOD<br>JOB       | TURN OFF<br>AIR<br>CONDITIONER | TURN OFF<br>TELEVISION        | • • • |  |
|                          | 3  | HELLO                     | THANK<br>YOU      | HEAT<br>BATH                   | TURN ON<br>MICROWAVE<br>OVEN  | • • • |  |
|                          | 4  | HOW ARE<br>YOU?           | SORRY             | TURN ON<br>LIGHT               | TURN OFF<br>MICROWAVE<br>OVEN | • • • |  |
| [                        | 5  | • • •                     | • • •             | • • •                          | • • ·                         | • • • |  |

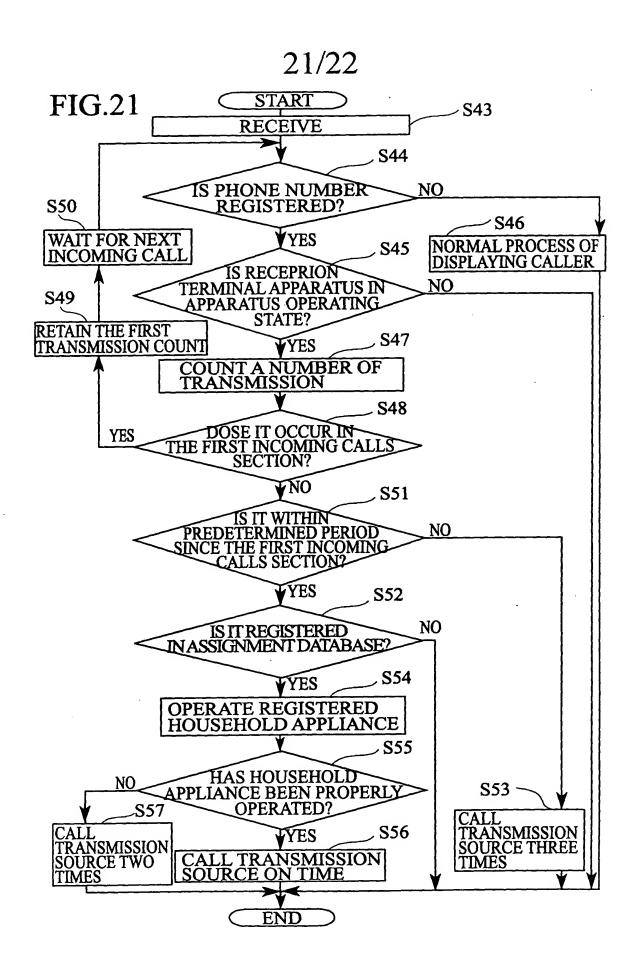


FIG.22

|                          |   | SECOND TRANSMISSION COUNT |                   |                                |                               |       |  |  |
|--------------------------|---|---------------------------|-------------------|--------------------------------|-------------------------------|-------|--|--|
|                          |   | 1                         | 2                 | 3                              | 4                             | 5     |  |  |
| FIRST TRANSMISSION COUNT | 1 | GOOD<br>MORNING           | I WILL<br>BE LATE | TURN ON<br>AIR<br>CONDITIONER  | TURN ON<br>TELEVISION         | • • • |  |  |
|                          | 2 | GOOD<br>NIGHT             | GOOD<br>JOB       | TURN OFF<br>AIR<br>CONDITIONER | TURN OFF<br>TELEVISION        | • • • |  |  |
|                          | 3 | HELLO                     | THANK<br>YOU      | HEAT<br>BATH                   | TURN ON<br>MICROWAVE<br>OVEN  | • • • |  |  |
|                          | 4 | HOW ARE<br>YOU?           | SORRY             | TURN ON<br>LIGHT               | TURN OFF<br>MICROWAVE<br>OVEN | • • • |  |  |
|                          | 5 | • • •                     | • • •             | • • •                          | • • •                         | • • • |  |  |